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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/641,931	08/18/2000	Christian Lanctot	2003390-0001	7406

7590   08/12/2002

Choate Hall & Stewart
Exchange Place
53 State Street
Boston, MA 02109-2891

EXAMINER
EPPERSON, JON D

ART UNIT	PAPER NUMBER
1627	

DATE MAILED: 08/12/2002   *15*

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/641,931	08/18/00	Lanctot	2003390-0001

EXAMINER	
Jon D. Epperson, Ph. D.	
ART UNIT	PAPER NUMBER
1627	15

DATE MAILED:

Notice to Comply

Please find below a communication from the EXAMINER in charge of this application

The communication filed on **6/11/02** is not fully responsive to the communication mailed **2/22/02**. See page 46, table 1 for an example of non-compliance with the sequence rules. Also see attached RAW SEQUENCE LISTING ERROR REPORT.

Since the response appears to be **bona fide**, but through an apparent oversight or inadvertence failed to provide a complete response, applicant is given **ONE (1) MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication should be directed to Examiner Jon D. Epperson, Ph. D., Art Unit 1627, whose telephone number is (703) 308-2423.

Any inquiry concerning this communication should be directed to Jon D. Epperson whose telephone number is (703) 308-2423. The examiner can normally be reached on Monday through Friday from 9:00 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph McKane, can be reached at (703) 308-4537. The fax number for this group is (703) 305-3014.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 308-0196.

Jon D. Epperson
Patent Examiner (AU=1627)
August 8, 2002

PADMASHRI PONNALURI
PRIMARY EXAMINER

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

[X] 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

[ ] 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

[ ] 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

[X] 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

[ ] 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

[ ] 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

[X] 7. Other: Specification does not coply with sequence rules (for example, see page 46, table 1)

Applicant Must Provide:

[X] An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

[X] An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

[X] A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216
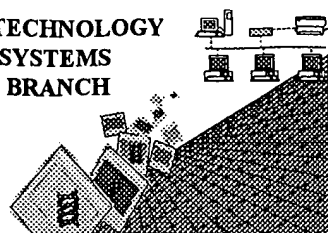For CRF Submission Help, call (703) 308-4212
PatentIn Software Program Support (SIRA)
    Technical Assistance..703-287-0200
    To Purchase PatentIn Software.......................703-306-2600

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BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

RECEIVED

Application Serial Number: _09/641,931D_

Source: _1609_

Date Processed by STIC: _6/21/2002_

JUL 11 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
 PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
 PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
         http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission
   User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
   Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
             Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
   2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office,
   Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

1600

RAW SEQUENCE LISTING   DATE: 06/21/2002
PATENT APPLICATION: US/09/641,931D   TIME: 14:18:33

Input Set : A:\Robic1.app
Output Set: N:\CRF3\06212002\I641931D.raw

Does Not Comply
Corrected Diskette Needed

```
 3 <110> APPLICANT: Lanctot, et al.
 5 <120> TITLE OF INVENTION: Nucleic Acid Molecule, Method and Kit for Selecting a
 6       Nucleic Acid Having A Desired Feature
 8 <130> FILE REFERENCE: 2003390-0001
10 <140> CURRENT APPLICATION NUMBER: 09/641,931D
11 <141> CURRENT FILING DATE: 2000-08-18
13 <160> NUMBER OF SEQ ID NOS: 45
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 24
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: sequence is completely synthesized
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26 ggatccaata gaggattctt taac                                        24
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 21
31 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: sequence is completely synthesized
37 <400> SEQUENCE: 2
38 tcaccactct tctgtccctt c                                           21
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 25
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: sequence is completely synthesized
49 <400> SEQUENCE: 3
50 ggatcctacg aacatgcgac cactg                                       25
53 <210> SEQ ID NO: 4
54 <211> LENGTH: 21
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: sequence is completely synthesized
61 <400> SEQUENCE: 4
62 tcatcttcgt gtgctagtca g                                           21
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 30
67 <212> TYPE: DNA
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/641,931D

DATE: 06/21/2002
TIME: 14:18:33

Input Set : A:\Robic1.app
Output Set: N:\CRF3\06212002\I641931D.raw

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 70 <220> FEATURE:
 71 <223> OTHER INFORMATION: sequence is completely synthesized
 73 <400> SEQUENCE: 5
 74 agcgaattcg tcctgtggac agatcactgc                              30
 77 <210> SEQ ID NO: 6
 78 <211> LENGTH: 30
'79 <212> TYPE: DNA
 80 <213> ORGANISM: Artificial Sequence
 82 <220> FEATURE:
 83 <223> OTHER INFORMATION: sequence is completely synthesized
 85 <400> SEQUENCE: 6
 86 gctctcgagg aaggcacagc tgctttccac                              30
 89 <210> SEQ ID NO: 7
 90 <211> LENGTH: 30
 91 <212> TYPE: DNA
 92 <213> ORGANISM: Artificial Sequence
 94 <220> FEATURE:
 95 <223> OTHER INFORMATION: sequence is completely synthesized
 97 <400> SEQUENCE: 7
 98 cttctcgagc agtttaaacg tgagcttccc                              30
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 30
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: sequence is completely synthesized
109 <400> SEQUENCE: 8
110 acgtctagat catcttcgtg tgctagtcag                              30
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 47
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: sequence is completely synthesized
121 <400> SEQUENCE: 9
122 tcgagcagat ctgcagcacc actggtcacg gcaatgtgtc ggagcgg          47
125 <210> SEQ ID NO: 10
126 <211> LENGTH: 43
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: sequence is completely sunthesized
133 <400> SEQUENCE: 10
134 ccgctccgac acattgccgt gaccagtggt gctgcagatc tgc              43
137 <210> SEQ ID NO: 11
138 <211> LENGTH: 60
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 06/21/2002
PATENT APPLICATION: US/09/641,931D   TIME: 14:18:33

Input Set : A:\Robic1.app
Output Set: N:\CRF3\06212002\I641931D.raw

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143 <223> OTHER INFORMATION: sequence is completely synthesized
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146 gtgtccaagc catcagaggg gaaataaagc atctctacgg tggtcctaaa tagtcagcat 60
149 <210> SEQ ID NO: 12
150 <211> LENGTH: 28
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: sequence is completely synthesized
157 <400> SEQUENCE: 12
158 ccagagctca tgcggaccac tcttctgt                                    28
161 <210> SEQ ID NO: 13
162 <211> LENGTH: 24
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: sequence is completely synthesized
169 <400> SEQUENCE: 13
170 tcgcgattta aattaattaa gctt                                        24
173 <210> SEQ ID NO: 14
174 <211> LENGTH: 24
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: sequence is completely synthesized
181 <400> SEQUENCE: 14
182 aagcttaatt aatttaaatc gcga                                        24
185 <210> SEQ ID NO: 15
186 <211> LENGTH: 18
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: sequence is completely synthesized
193 <400> SEQUENCE: 15
194 agacgcgtag atctcacc                                               18
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 20
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: sequence is completely synthesized
205 <400> SEQUENCE: 16
206 gatccgcacc gcaatatggc                                             20
209 <210> SEQ ID NO: 17
210 <211> LENGTH: 25
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/641,931D

DATE: 06/21/2002
TIME: 14:18:33

Input Set : A:\Robicl.app
Output Set: N:\CRF3\06212002\I641931D.raw

215 <223> OTHER INFORMATION: sequence is completely synthesized
217 <400> SEQUENCE: 17
218 tctagagatg cattatgcac atcag   25
221 <210> SEQ ID NO: 18
222 <211> LENGTH: 60
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: sequence is completely synthesized
229 <400> SEQUENCE: 18
230 tccaagccat cagaggggaa ataaagcatc tctacggtgg tcctaaatag tcagcatagt 60
233 <210> SEQ ID NO: 19
234 <211> LENGTH: 60
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: sequence is completely synthesized
241 <400> SEQUENCE: 19
242 actatgctga ctatttagga ccaccgtaga gatgctttat ttcccctctg atggcttgga 60
245 <210> SEQ ID NO: 20
246 <211> LENGTH: 20
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: sequence is completely synthesized
253 <400> SEQUENCE: 20
254 tagtcagcat agtacatttc   20
257 <210> SEQ ID NO: 21
258 <211> LENGTH: 51
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: sequence is completely synthesized
265 <400> SEQUENCE: 21
266 tcgatccgaa ttcgcggccg ctctattgga tcctcgagca gatctgcagc a   51
269 <210> SEQ ID NO: 22
270 <211> LENGTH: 148
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: sequence is completely synthesized
277 <400> SEQUENCE: 22
278 agatgaatca agcttatcga taccgtcgag catgcatcta ggtgtccaag ccatcagagg 60
279 ggaaataaag catctctacg gtggtcctaa atagtcagca tagtacattt catctgacta 120
280 atactacaac accaccacca tgaataga   148
283 <210> SEQ ID NO: 23
284 <211> LENGTH: 18
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence

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288 <220> FEATURE:
289 <223> OTHER INFORMATION: sequence is completely synthesized
291 <400> SEQUENCE: 23
292 gagtggtccg catggtga                                           18
295 <210> SEQ ID NO: 24
296 <211> LENGTH: 54
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: sequence is completely synthesized
303 <400> SEQUENCE: 24
304 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggaatt tcgcgattta aatt    54
307 <210> SEQ ID NO: 25
308 <211> LENGTH: 48
309 <212> TYPE: DNA
310 <213> ORGANISM: Sindbis virus
312 <220> FEATURE:
313 <223> OTHER INFORMATION: sequence is completely synthesized
315 <400> SEQUENCE: 25
316 tctgcagcac cactggtcac ggcaatgtgt ttgctcggaa atgtgagc          48
319 <210> SEQ ID NO: 26
320 <211> LENGTH: 16
321 <212> TYPE: PRT
322 <213> ORGANISM: Sindbis virus
324 <220> FEATURE:
325 <223> OTHER INFORMATION: sequence is completely synthesized
327 <400> SEQUENCE: 26
328 Ser Ala Ala Pro Leu Val Thr Ala Met Cys Leu Leu Gly Asn Val Ser
329   1               5                  10                  15
332 <210> SEQ ID NO: 27
333 <211> LENGTH: 48
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: sequence is completely synthesized
340 <400> SEQUENCE: 27
341 tctgcagcac cactggtcac ggcaatgtgt cggagcggaa atgtgagc          48
344 <210> SEQ ID NO: 28
345 <211> LENGTH: 16
346 <212> TYPE: PRT
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: sequence is completely synthesized
352 <400> SEQUENCE: 28
353 Ser Ala Ala Pro Leu Val Thr Ala Met Cys Arg Ser Gly Asn Val Ser
354   1               5                  10                  15
357 <210> SEQ ID NO: 29
358 <211> LENGTH: 44
359 <212> TYPE: DNA
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/21/2002
PATENT APPLICATION: US/09/641,931D   TIME: 14:18:35

Input Set : A:\Robic1.app
Output Set: N:\CRF3\06212002\I641931D.raw

<u>Use of <220> Feature(NEW RULES):</u>
Sequence(s)__are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or"Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:33

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<210> SEQ ID NO 33
<211> LENGTH: 13
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: :          see p. 6 for explanation
<400> SEQUENCE: 33
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